Preliminary DRAFT Cedar River Tributaries Chinook Population - Tier 2 - Initial Habitat Project List

Includes Potential Restoration and Protection Projects by Reach.

Taylor/Downs Reaches 2-7

Reach 1: Taylor/Downs Creek from Mouth to Maxwell Rd Crossing (RM 0.4)

Restoration

Technical Hypothesis: *Reduce sedimentation, restore pool habitat by adding LWD, restoring riparian vegetation, and increasing off-channel habitat.*

Project #	Reach #	Reach Restor. Benefit Rank	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
C330	1	not ranked	new	**Riparian Restoration:** Removal of invasive species such as japanese knotweed and replanting with native vegetation and conifers.	Y			**H/M**	**H**
C331	1	not ranked	new	**Add Large Woody Debris in Reach 1.**	Y			**H**	**H**

Protection

Technical Hypothesis: *Protect forest cover, riparian cover, LWD, channel connectivity and pools.*

Project #	Reach #	Reach Prot. Benefit Rank	Existing Prot. Priority (Y/N)	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
C332	1	1 0f 7	Y	4h	**Mouth of Taylor Creek Reach:** Acquire approximately 40 acres of forested riparian floodplain associated with both the Cedar mainstem and the lower reach of Taylor Creek. The target parcels include approximately 1,000 feet of mainstem channel, nearly 1,300 feet of the lowermost reach and mouth of Taylor Creek, and one of the largest remaining floodplain wetlands adjacent to the mainstem. Some of the acquisitions will facilitate future levee removal and/or modification projects.	Y		Also listed on Cedar Mainstem.	**H**	**H**

Reach 2: Taylor/Downs Creek from Maxwell Rd Crossing (RM 0.4) to RM 0.8 (stream leaves ditch alongside Maxwell Rd, lower end of potential restoration project)

Restoration

Technical Hypothesis: *Reduce sedimentation and channel confinement; restore pool habitat by adding LWD, restoring riparian vegetation, and increasing off-channel habitat.*

Project #	Reach #	Reach Restor. Benefit Rank	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
C333	2	not ranked	8l	**Lower Taylor Creek Floodplain Restoration:** Relocate 800 feet of stream away from Maxwell Road, restore floodplain wetlands and off-channel habitat, place LWD and restore riparian vegetation.	Y	$1.4 million	Planned for construction in 2005. Cost estimate includes acquisition of one property.	**H**	**H**
C334	2	not ranked	new	**Riparian Restoration:** In lower 20-30% of reach not included in planned floodplain restoration, work with private property owners to remove non-native plants and plant native vegetation.	Y		Willing land owners.	**M**	**H**

Protection

Technical Hypothesis: *Protect forest cover, riparian cover, LWD, channel connectivity and pools.*

Project #	Reach #	Reach Prot. Benefit Rank	Existing Prot. Priority (Y/N)	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
	2	7 of 7			No projects identified at this time.					

Reach 3: Taylor/Downs Creek from RM 0.8 (creek leaves Maxwell Rd) to RM 0.9

Restoration

Technical Hypothesis: R*educe sedimentation, restore pool habitat by adding LWD, restoring riparian vegetation, and increasing off-channel habitat.*

Project #	Reach #	Reach Restor. Benefit Rank	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
	3	not ranked		No projects identified at this time.					

Protection

Technical Hypothesis: *Protect forest cover, riparian cover, LWD, channel connectivity and pools.*

Project #	Reach #	Reach Prot. Benefit Rank	Existing Prot. Priority (Y/N)	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
	3	6 of 7			No projects identified at this time.					

Reach 4: Taylor/Downs Creek from RM 0.9 to RM 1.0 (upper end of restoration project)

Restoration

Technical Hypothesis: *Reduce sedimentation, restore pool habitat by adding LWD, restoring riparian vegetation, and increasing off-channel habitat.*

Project #	Reach #	Reach Restor. Benefit Rank	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M, L	Feasib. H, M, L
	4	not ranked		No projects identified at this time.					

Protection

Technical Hypothesis: *Protect forest cover, riparian cover, LWD, channel connectivity and pools.*

Project #	Reach #	Reach Prot. Benefit Rank	Existing Prot. Priority (Y/N)	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M, L	Feasib. H, M, L
	4	2 of 7			No projects identified at this time.					

Reach 5: Taylor/Downs Creek from (RM 1.0) to RM 1.4 (Hwy. 18, bottom of ravine); End of Chinook Distribution.

Restoration

Technical Hypothesis: *Reduce sedimentation, restore pool habitat by adding LWD, restoring riparian vegetation, and increasing off-channel habitat.*

Project #	Reach #	Reach Restor. Benefit Rank	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M, L	Feasib. H, M, L
C335	5	not ranked	new	**Add Large Woody Debris:** Add large woody debris in Reach 5.	Y		WDOT doing work on Hwy. 18 upstream - maybe potential source of funds.	**M/L**	**H**

Protection

Technical Hypothesis: *Protect forest cover, riparian cover, LWD, channel connectivity and pools.*

Project #	Reach #	Reach Prot. Benefit Rank	Existing Prot. Priority (Y/N)	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M, L	Feasib. H, M, L
	5	5 of 7			No projects identified at this time.					

Reach 6: Taylor/Downs Creek from RM 1.4 to top of ravine (RM 1.9).

Restoration

Technical Hypothesis: *Reduce sedimentation, restore pool habitat by adding LWD, restoring riparian vegetation, and increasing off-channel habitat.*

Project #	Reach #	Reach Restor. Benefit Rank	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M, L	Feasib. H, M, L

C336	6	not ranked	new	**Add Large Woody Debris:** Add large woody debris in Reach 6.	Y		Chinook now have access above Highway 18.	**H**	**H**
C337	6	not ranked	new	**Protect and Restore Riparian Vegetation in Reach 6.**	Y		There are pastures in reach, would be good to not have pastures encroach further into riparian buffer.	**M**	**H**

Protection

Technical Hypothesis: *Protect forest cover, riparian cover, LWD, channel connectivity and pools.*

Project #	Reach #	Reach Prot. Benefit Rank	Existing Prot. Priority (Y/N)	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
	6	3 of 7			No projects identified at this time.					

Reach 7: Taylor/Downs Creek from RM 1.9 to RM 3.4 (upper extent of coho distribution; assumed at 258th St - King County Fish Dist Map)

Restoration

Technical Hypothesis: *Reduce sedimentation, restore pool habitat by adding LWD, restoring riparian vegetation, and increasing off-channel habitat.*

Project #	Reach #	Reach Restor. Benefit Rank	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
C338	7	not ranked	new	**Taylor Creek Golf Course:** Investigate whether or not there are any water quality problems associated with management of the golf course and work with golf course owners to implement additional Best Management Practices if necessary.	Y			**?**	**M**

Protection

Technical Hypothesis: *Protect forest cover, riparian cover, LWD, channel connectivity and pools.*

Project #	Reach #	Reach Prot. Benefit Rank	Existing Prot. Priority (Y/N)	NTAA #	NTAA Name & Description	Fits w/Tech. Hypoth. (Y/N)	Approx. Cost	Notes, Key Uncertainties	Benefits to Chinook H, M. L	Feasib. H, M, L
	7	4 of 7			No projects identified at this time.					